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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/803,836	03/18/2004	Wu-Sung Lee	39524.9600	6459

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EXAMINER

MASDON, DAVID T

ART UNIT PAPER NUMBER

2188

DATE MAILED: 04/05/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/803,836	LEE, WU-SUNG	
	Examiner	Art Unit	
	David Masdon	2188	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 January 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 18 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date <u>01/19/05</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Information Disclosure Statement

1. The information disclosure statement (IDS) was submitted on 1/19/2005. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Drawings

2. The drawings filed on 3-18-2004 have been approved by the examiner.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-10 rejected under 35 U.S.C. 102(b) as being anticipated by Suzuki et al (US 5,592,609).

With regard to claim 1, Suzuki et al discloses a method for write-disabling a storage device [(hard-disk drive) column 6, line 60], said storage device having a storage medium and a firmware [(BIOS) column 9, line 39], said storage device connected to a

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processing device writing and reading data from said storage medium [(CPU) column 9, line 32], said method comprising steps of:

- (a) storing a first parameter in said storage medium, [(attribute information written into attribute memory) column 33, lines 56-57]
- (b) receiving said first parameter from said storage medium by said firmware when said firmware receives a write command from said processing device; [(file attribute used for file access) column 27, lines 63-64] and
- (c) refusing to execute said write command by said firmware when said first parameter equals a predetermined disable parameter. [(writing is disabled) column 27, lines 66]

With regard to claim 2, Suzuki et al discloses the method of claim 1, wherein said storage medium further comprises a first memory and a second memory, [(floppy disk and flash memory) column 9, lines 60-67] and said first parameter is stored in said first memory. [(attribute information written into attribute memory) column 33, lines 56-57]

With regard to claim 3, Suzuki et al discloses the method of claim 2, wherein said first memory is a flash memory [(flash memory) column 9, lines 60-67], and said second memory is an SRAM. [(SRAM) column 23, lines 30-36]

With regard to claim 4, Suzuki et al discloses the method of claim 2, wherein said first parameter is included in a message encoded in accordance with Advanced Technology Attachment Programming Interface (ATAPI). [(floppy disk drive) column 3, line 14; (hard-disk drive) column 6, line 60] It is inherent that if internal computer storage is utilized, then ATAPI is the standard interface used for communication of these devices.

With regard to claim 5, Suzuki et al discloses the method of claim 4, wherein said first parameter is stored in said first memory via said second memory. [(attribute information loaded from BIOS into memory) column 32, lines 31-51; Fig. 34 elements 228 & 200]

With regard to claim 6, the method of claim 4, wherein said firmware comprises an updating program, said step (a) comprises steps for storing a first parameter in said first memory and said steps comprise:

(d) receiving said message by said firmware; [(CPU receives output) column 23, line 16]

(e) copying said updating program to said second memory; [(copy access command) column 28, lines 1-7]

(f) executing said updating program in said second memory for storing said first parameter in said first memory; and [(load access command) column 28, lines 1-7]

(g) resetting in said first memory. [(reset signal) column 22, line 65]

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Claim 7 rejected with same rationale as claim 4.

With regard to claim 8, Suzuki et al discloses the method of claim 7, wherein said predetermined disable parameter is defined by a code for disabling a write function.

(attribute utilized with ID code) column 27, lines 58-59]

With regard to claim 9, Suzuki et al discloses the method of claim 9, wherein said processing device is a personal computer. [(personal computer) column 3, lines 12-14]

With regard to claim 10, Suzuki et al discloses the method of claim 1, wherein said storage device is a disc read/write device. [(hard-disk drive) column 6, line 60]

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 11-12 rejected under 35 U.S.C 103 (a) as being unpatentable over Suzuki et al (US 5,592,609) as applied to claim 10 above, and in view of Kobayashi et al (US 2004/0042363).

As per claims 11 and 12, Suzuki et al does not disclose expressly the method of claim 10, wherein said disc read/write device is a CD-RW or DVD-RW. However, Kobayashi et al discloses utilizing both CD-RWs and DVD-RWs. (page 7, section 0051)

Suzuki et al and Kobayashi et al are analogous art because they are from same field of endeavor, namely write-disabling storage devices. At the time of the invention it would have been obvious to a person of ordinary skill in the art to incorporate the CD-RWs and DVD-RWs of Kobayashi et al into the system of Suzuki et al. The motivation for doing so would have been to effectively protect various kinds of data. (Suzuki et al; page 2, section 0006)

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Watts, JR.	2002/0166036
Hibino et al	5,599,231
Yoshino et al	2003/0149854
Yamakawa et al	6,738,877
Kau et al	6,421,754
Shigeeda	5,713,006
Yamato et al	5,680,534
Intrater et al	5,638,306
Thompson et al	5,166,976

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8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to David Masdon whose telephone number is (571)272-6815. The examiner can normally be reached on Monday - Friday, 7am - 4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mano Padmanabhan can be reached on (571)272-4210. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

DM
Thursday, March 30, 2006

Mano Padmanabhan
3/31/06

MANO PADMANABHAN
SUPERVISORY PATENT EXAMINER